Amendments to the claims:

1. (currently amended) A method for determining the position <u>and relative displacement</u> of an object (1) in space, <u>comprising the following steps:</u>

~~in which~~ <u>simultaneously recording at least three</u> measurement characteristics (4) of the object (1) ~~are recorded~~ <u>in an image by</u> ~~with~~ an optical recording device (3) calibrated to a space coordinate system (5)[[,]]<u>;</u> ~~and~~

on the basis of these measurement characteristics (4), <u>determining</u> the position of the object (1) in the space coordinate system (5) ~~is determined~~ in an image processing device, <u>wherein a moveable recording device is used,</u> ~~characterized in that~~ <u>wherein</u> at least two measurement characteristics (4) of the object (1) <u>in different spatial positions are recorded and evaluated, wherein a position of the recording device (3) is selected such that for determining the position of the object (1), suitable measurement characteristics (4) optimally cover a sensitive area of the recording device by intermediate angles of visual rays (7) from the measurement characteristics (4) to the photographic device (3) that are greater than 10°, and wherein no more than five measurement characteristics (4) are evaluated simultaneously</u> ~~are detected simultaneously in a recording device (3) and used to determine the position of the object (1)~~.

2. (canceled)

3. (currently amended) The method as defined by claim 1, ~~characterized in that~~

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wherein the measurement characteristics (4) are marked points.

4. (currently amended) The method as defined by claim 1, ~~characterized in that~~ wherein a plurality of recording devices (3) are used.

5. (currently amended) The method as defined by claim 1, ~~characterized in that~~ wherein one measurement characteristic (4) is reproduced in a plurality of recording devices (3).

6. (currently amended) The method as defined by claim 1, ~~characterized in that~~ wherein a stationary and/or movable recording device (3) is used.

7. (currently amended) The method as defined by claim 6, ~~characterized in that~~ wherein for a movable recording device (3), after a motion, the position of the recording device (3) in the space coordinate system (5) is determined.

8. (canceled)

9. (currently amended) The method as defined by claim 1 [[8]], ~~characterized in that~~ wherein the intermediate angle is between 10° and approximately 170°.

10. (currently amended) The method as defined by claim 1 [[8]], ~~characterized in~~ ~~that~~ wherein the recording device (3) is positioned and/or arranged such that as large

an intermediate angle as possible exists in each case.

11. (currently amended) The method as defined by claim 1, ~~characterized in that~~ wherein before the method is employed, the coordinates of the measurement characteristics (4) are learned in an object coordinate system (6), in that the object (1) is recorded in a plurality of known positions by the recording device (3).

12. (currently amended) The method as defined by claim 1, ~~characterized in that~~ wherein the selection of measurement characteristics to be detected by a recording device (3), the position of the recording device (3), and/or the focal length of the recording device (3) is determined automatically.